



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-30-LED35-SO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-30-LED35-SO-D1
 [TESTLAB] Intertek
 [ISSUE DATE] March 6, 2017
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3320
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	53
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Unknown
Luminous Length (0-180)	3.00 ft (Diameter)
Luminous Width (90-270)	2.17 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1149.243	1149.243	1149.243	1149.243	1149.243	1149.243	1149.243	1149.243	1149.243	1149.243
2.5	1153.797	1149.098	1146.449	1145.662	1146.718	1145.662	1146.449	1149.098	1153.797	1149.098
5.0	1149.616	1145.103	1142.350	1141.708	1142.681	1141.708	1142.350	1145.103	1149.616	1145.103
7.5	1143.137	1138.624	1135.788	1135.147	1136.451	1135.147	1135.788	1138.624	1143.137	1138.624
10.0	1133.780	1129.475	1126.929	1126.225	1127.260	1126.225	1126.929	1129.475	1133.780	1129.475
12.5	1122.313	1117.986	1115.399	1114.757	1115.771	1114.757	1115.399	1117.986	1122.313	1117.986
15.0	1108.381	1104.179	1101.323	1100.743	1101.488	1100.743	1101.323	1104.179	1108.381	1104.179
17.5	1091.801	1087.930	1084.618	1084.038	1084.618	1084.038	1084.618	1087.930	1091.801	1087.930
20.0	1072.964	1069.010	1065.367	1064.704	1065.698	1064.704	1065.367	1069.010	1072.964	1069.010
22.5	1051.891	1047.482	1043.777	1043.466	1044.274	1043.466	1043.777	1047.482	1051.891	1047.482
25.0	1028.500	1023.843	1020.179	1020.096	1021.193	1020.096	1020.179	1023.843	1028.500	1023.843
27.5	1002.025	998.113	994.801	994.780	995.960	994.780	994.801	998.113	1002.025	998.113
30.0	973.583	970.685	967.207	967.435	968.346	967.435	967.207	970.685	973.583	970.685
32.5	943.692	941.208	937.565	938.145	938.227	938.145	937.565	941.208	943.692	941.208
35.0	912.766	909.682	905.728	906.225	906.412	906.225	905.728	909.682	912.766	909.682
37.5	880.247	876.169	872.236	872.650	872.960	872.650	872.236	876.169	880.247	876.169
40.0	845.347	841.062	837.211	837.356	837.770	837.356	837.211	841.062	845.347	841.062
42.5	807.900	804.340	800.572	800.883	801.338	800.883	800.572	804.340	807.900	804.340
45.0	768.860	766.066	762.484	762.898	763.230	762.898	762.484	766.066	768.860	766.066
47.5	729.116	726.218	722.906	723.092	723.568	723.092	722.906	726.218	729.116	726.218
50.0	688.875	685.087	682.106	681.837	682.500	681.837	682.106	685.087	688.875	685.087
52.5	647.620	642.838	640.065	639.175	640.085	639.175	640.065	642.838	647.620	642.838
55.0	604.502	599.886	596.822	595.601	596.760	595.601	596.822	599.886	604.502	599.886
57.5	559.624	555.795	552.649	551.303	552.773	551.303	552.649	555.795	559.624	555.795
60.0	514.167	510.669	507.523	506.281	508.144	506.281	507.523	510.669	514.167	510.669
62.5	469.021	464.922	461.920	460.927	462.893	460.927	461.920	464.922	469.021	464.922
65.0	423.957	418.906	415.987	415.159	417.498	415.159	415.987	418.906	423.957	418.906
67.5	378.230	372.931	369.930	369.205	371.938	369.205	369.930	372.931	378.230	372.931
70.0	331.945	326.894	323.831	323.127	326.439	323.127	323.831	326.894	331.945	326.894
72.5	286.012	281.147	278.063	277.690	281.416	277.690	278.063	281.147	286.012	281.147
75.0	240.948	235.814	232.896	232.999	237.284	232.999	232.896	235.814	240.948	235.814
77.5	196.650	191.247	188.680	189.260	193.586	189.260	188.680	191.247	196.650	191.247
80.0	152.911	148.150	145.811	146.680	150.365	146.680	145.811	148.150	152.911	148.150
82.5	110.186	106.667	104.659	105.425	108.323	105.425	104.659	106.667	110.186	106.667
85.0	69.262	66.820	65.578	65.785	68.289	65.785	65.578	66.820	69.262	66.820
87.5	30.574	28.939	28.835	28.442	30.263	28.442	28.835	28.939	30.574	28.939
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1149.243	1149.243	1149.243	1149.243	1149.243	1149.243	1149.243
2.5	1146.449	1145.662	1146.718	1145.662	1146.449	1149.098	1153.797
5.0	1142.350	1141.708	1142.681	1141.708	1142.350	1145.103	1149.616
7.5	1135.788	1135.147	1136.451	1135.147	1135.788	1138.624	1143.137
10.0	1126.929	1126.225	1127.260	1126.225	1126.929	1129.475	1133.780
12.5	1115.399	1114.757	1115.771	1114.757	1115.399	1117.986	1122.313
15.0	1101.323	1100.743	1101.488	1100.743	1101.323	1104.179	1108.381
17.5	1084.618	1084.038	1084.618	1084.038	1084.618	1087.930	1091.801
20.0	1065.367	1064.704	1065.698	1064.704	1065.367	1069.010	1072.964
22.5	1043.777	1043.466	1044.274	1043.466	1043.777	1047.482	1051.891
25.0	1020.179	1020.096	1021.193	1020.096	1020.179	1023.843	1028.500
27.5	994.801	994.780	995.960	994.780	994.801	998.113	1002.025
30.0	967.207	967.435	968.346	967.435	967.207	970.685	973.583
32.5	937.565	938.145	938.227	938.145	937.565	941.208	943.692
35.0	905.728	906.225	906.412	906.225	905.728	909.682	912.766
37.5	872.236	872.650	872.960	872.650	872.236	876.169	880.247
40.0	837.211	837.356	837.770	837.356	837.211	841.062	845.347
42.5	800.572	800.883	801.338	800.883	800.572	804.340	807.900
45.0	762.484	762.898	763.230	762.898	762.484	766.066	768.860
47.5	722.906	723.092	723.568	723.092	722.906	726.218	729.116
50.0	682.106	681.837	682.500	681.837	682.106	685.087	688.875
52.5	640.065	639.175	640.085	639.175	640.065	642.838	647.620
55.0	596.822	595.601	596.760	595.601	596.822	599.886	604.502
57.5	552.649	551.303	552.773	551.303	552.649	555.795	559.624
60.0	507.523	506.281	508.144	506.281	507.523	510.669	514.167
62.5	461.920	460.927	462.893	460.927	461.920	464.922	469.021
65.0	415.987	415.159	417.498	415.159	415.987	418.906	423.957
67.5	369.930	369.205	371.938	369.205	369.930	372.931	378.230
70.0	323.831	323.127	326.439	323.127	323.831	326.894	331.945
72.5	278.063	277.690	281.416	277.690	278.063	281.147	286.012
75.0	232.896	232.999	237.284	232.999	232.896	235.814	240.948
77.5	188.680	189.260	193.586	189.260	188.680	191.247	196.650
80.0	145.811	146.680	150.365	146.680	145.811	148.150	152.911

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82.5	104.659	105.425	108.323	105.425	104.659	106.667	110.186
85.0	65.578	65.785	68.289	65.785	65.578	66.820	69.262
87.5	28.835	28.442	30.263	28.442	28.835	28.939	30.574
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	419.87	N.A.	12.60
0-30	890.98	N.A.	26.80
0-40	1458.83	N.A.	43.90
0-60	2582.86	N.A.	77.80
0-80	3244.99	N.A.	97.70
0-90	3320.19	N.A.	100.00
10-90	3211.5	N.A.	96.70
20-40	1038.96	N.A.	31.30
20-50	1628.43	N.A.	49.00
40-70	1537.35	N.A.	46.30
60-80	662.13	N.A.	19.90
70-80	248.81	N.A.	7.50
80-90	75.20	N.A.	2.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3320.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.69
10-20	311.18
20-30	471.11
30-40	567.85
40-50	589.47
50-60	534.55
60-70	413.32
70-80	248.81
80-90	75.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

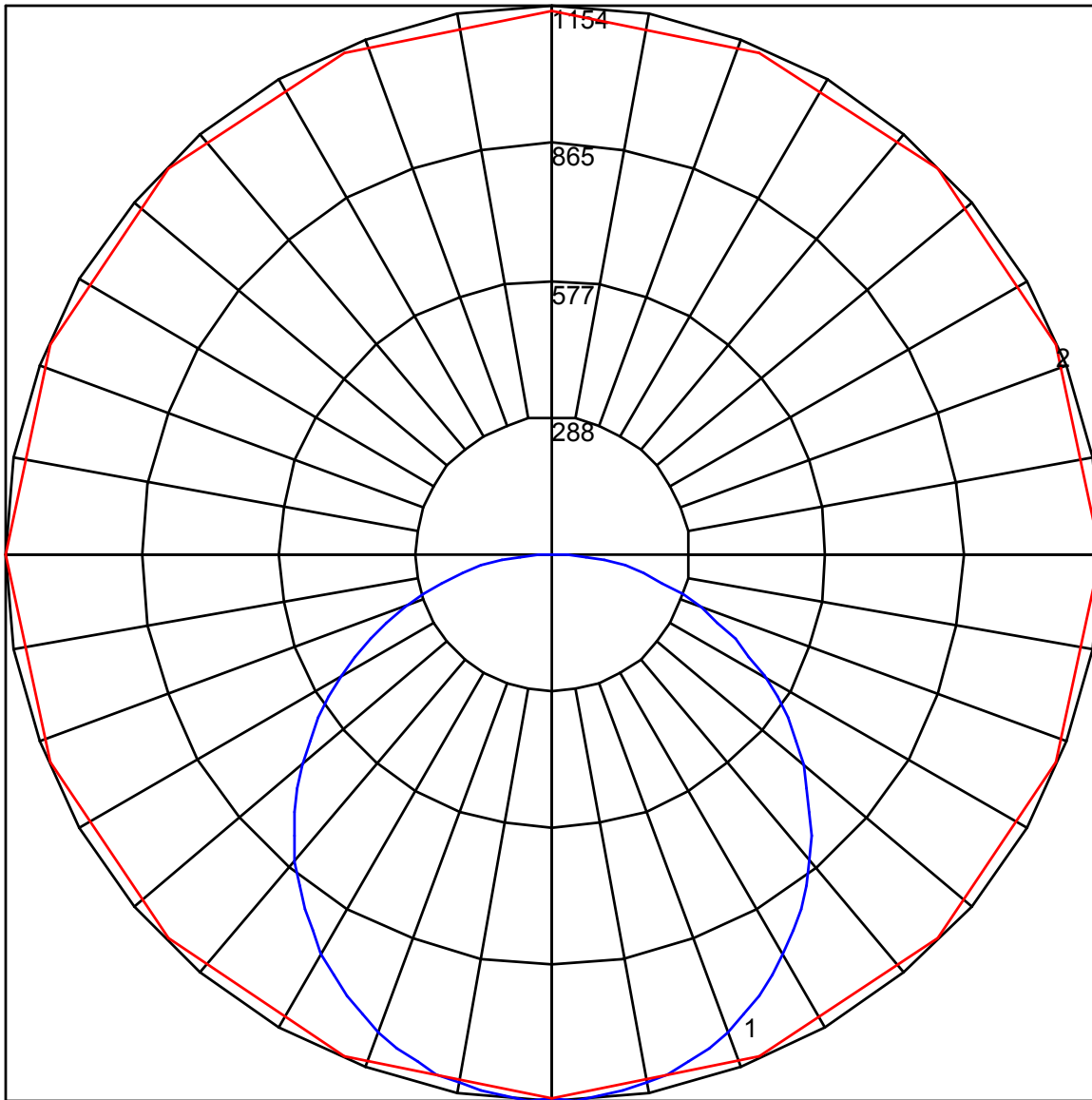
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1153.797 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)